

Abstract

A device for monitoring at least two electromagnetic valves (11, 12) of an internal combustion engine in a motor vehicle in particular is described. An actual current that is independent of the other valves (12) may be supplied to each valve (11). A setpoint current (I_{11} , I_{12}) is preselected for each valve (11, 12). Measuring devices (17, 18) are provided for measuring the actual currents supplied to the valves (11, 12). A control unit (19) is provided and is used to add the measured actual currents to yield a total actual current ($I_{\text{addactual}}$). Due to the control unit (19), the setpoint currents (I_{11} , I_{12}) are added to yield a total setpoint current ($I_{\text{addsetpoint}}$) and compared to the total actual current ($I_{\text{addactual}}$). This comparison is used by the control unit (19) for monitoring the valves (11, 12) and/or their interconnections.

Figure 1